Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 30 Sep 2021 until 23:59 on Friday 01 Oct 2021

Forecast Issued on Thursday 30 Sep 2021 at 02:16

Confidence: High for unsettled and often windy conditions throughout the period. Lower confidence in the details and timing of rain, particularly through the weekend.

Headline for Thursday 30 Sep 2021: Wet and windy, particularly through the morning.

Mountain weather hazards on Thursday 30 Sep 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** High Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy rain showers	Heavy rain showers	Heavy Rain	Heavy Rain
Precipitation probability					
90%	90%	60%	40%	70%	80%

Forecast for Thursday 30 Sep 2021

Weather: Thick cloud and outbreaks of heavy and persistent rain through the morning and strong southerly winds. Conditions will likely improve somewhat into the afternoon with cloud bases tending to lift and winds easing slightly to give some brightness. Frequent heavy showers will continue however, with more persistent rain likely once again into the evening and overnight.

Chance of cloud free mountain/hill tops above 600m: Less than 10% through much of the morning, but improving to 60% in the afternoon and evening before reducing again overnight.

Visibility: Widespread low cloud obscurring hills above 500m during the morning, and frequent lower patches are likely on windward slopes giving some poor visibilities in association with persistent rain. Cloud tending to lift and break somewhat into the afternoon to leave patchy lower bases above 600m and generally good visibility, but locally lowering to several kilometres in association with showers. Lower cloud tending to thicken once again overnight.

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Mountain Weather Forecast

Forecast for Thursday 30 Sep 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/32 S	25/34 S	23/34 SW	21/31 SW	20/30 SW	17/27 SW	19/29 SW
300	12/27 S	13/30 S	17/33 SW	15/30 SW	14/28 SW	13/27 SW	13/28 SW
Valley	12/29 S	13/32 S	15/31 SW	12/26 SW	9/22 SW	10/24 SW	11/26 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	8/3	11/7	10/7	10/6	10/6	9/6
300	8/4	10/7	13/10	13/10	12/9	12/9	11/9
Valley	10/7	11/9	14/12	14/12	13/11	12/11	12/10
Freezing Level*	2200m	2500m	2400m	2100m	2200m	2300m	2300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Persistent heavy rain, particularly though the morning, will see some unpleasant walking conditions and waterproofs are likely to become drenched through. Isolated gusts on highest tops, such as Ingleborough could reach 50-55mph.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 30 Sep 2021	1.2mm	18mm	31.6mm

Forecast for Friday 01 Oct 2021

Weather: Persistent rain will clear during the morning to leave a bright day with frequent showers and strong generally westerly winds. Some of these showers likely heavy with a low risk of thunder.

Maximum wind: Southwesterly winds 30mph with gusts 40-45mph.

Chance of cloud free mountain/hill tops above 600m: 40% during the early morning but improving to become 90% outside of showers.

Visibility: Areas of low cloud obscurrig hills above 500m, giving some poor visibilities during the morning. Cloud lifting to well above summits into the afternoon with very good visibility in general, falling to a few kilometres with showers.

Temperature: **Valleys:** Plus 11 Celsius.
At 600m: Plus 8 Celsius, falling to Plus 5 Celsius through the day.
Freezing level: Above summits.

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